(19) World Intellectual Property Organization International Bureau



540173

(43) International Publication Date 15 September 2005 (15.09.2005)

(10) International Publication Number WO 2005/085912 A1

- (51) International Patent Classification7: G02B 1/04, C08L 31/00, G02B 1/10, 1/11, B29D 11/00, G02B 5/30, G02C 7/10, 7/12, B29C 45/14, 45/37
- (21) International Application Number:

PCT/EP2005/002262

- 1 March 2005 (01.03.2005) (22) International Filing Date:
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/549,366

2 March 2004 (02.03.2004)

- (71) Applicant (for all designated States except US): ES-SILOR INTERNATIONAL (COMPAGNIE ERALE D'OPTIQUE) [FR/FR]; 147 rue de Paris, F-94227 Charenton Cedex (FR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MOSSE, Herbert [US/US]; c/o ESSILOR OF AMERICA, 4900 Park Street North, St Petersburg, Florida 33709 (US). MUISENER, Richard [US/US]; c/o ESSILOR OF AMERICA, 4900 Park Street North, St Petersburg, Florida 33709 (US).
- (74) Agents: MICHELET, Alain et al.; Cabinet HARLE et PHELIP, 7 rue de Madrid, F-75008 Paris (FR).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, $TM,\,TN,\,TR,\,TT,\,TZ,\,UA,\,UG,\,US,\,UZ,\,VC,\,VN,\,YU,\,ZA,$ ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

of inventorship (Rule 4.17(iv)) for US only

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: OPHTHALMIC LENS WITH AN OPTICALLY TRANSPARENT COMPOSITE FILM EXHIBITING BOTH IMPACT-RESISTANCE PROPERTY AND POLARIZING PROPERTY, AND A PROCESS FOR ITS MANUFACTURE

(57) Abstract: The present invention relates to a light polarizing ophthalmic lens comprising a substrate made of organic glass and an optically transparent composite film deposited on the front main face of the substrate, said transparent composite film comprising a latex layer having an outer main face provided with parallel microgrooves, and a polarizing dye material filling at least partially the said microgrooves. The present invention also relates to a process for the manufacture of the light polarizing ophthalmic lens.

